

Recombinant Full Length Mouse Ppm1a Protein, Myc/DDK-tagged

Cat. No. Ppm1a-5045M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 1A, magnesium dependent, alpha isoform (Ppm1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Enzyme with a broad specificity. Negatively regulates TGF-beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling. Dephosphorylates PRKAA1 and PRKAA2. Plays an important role in the termination of TNF-alpha-mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.
Molecular Mass	42.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ppm1a protein phosphatase 1A, magnesium dependent, alpha isoform [*Mus musculus* (house mouse)]

Official Symbol [Ppm1a](#)

Synonyms PPM1A; protein phosphatase 1A, magnesium dependent, alpha isoform; protein phosphatase 1A; Mpp alpha; PP2C-alpha; protein phosphatase 1A; protein phosphatase 2C isoform alpha; MMPa-2; MPPa-1; AI427932; AU017636; 2310003C21Rik; 2900017D14Rik

Gene ID [19042](#)

mRNA Refseq [NM_008910](#)

Protein Refseq [NP_032936](#)

UniProt ID [P49443](#)

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